

Input variables:

1 - age (numeric)

2 - education (categorical:
"basic.4y", "basic.6y", "basic.9y", "high.school", "illiterate", "professional.course", "university.degree", "unknown")

3 - default: has credit in default? (categorical: "no", "yes", "unknown")

4 - housing: has housing loan? (categorical: "no", "yes", "unknown")

5 - loan: has personal loan? (categorical: "no", "yes", "unknown")

6 - contact: contact communication type (categorical: "cellular", "telephone")

7 - month: last contact month of year (categorical: "jan", "feb", "mar", ..., "nov", "dec")

8 - day_of_week: last contact day of the week (categorical: "mon", "tue", "wed", "thu", "fri")

9 - duration: last contact duration, in seconds (numeric).

10 - campaign: number of contacts performed during this campaign and for this client (numeric, includes last contact)

11 - pdays: number of days that passed by after the client was last contacted from a previous campaign (numeric; 999 means client was not previously contacted)

12 - previous: number of contacts performed before this campaign and for this client (numeric)

13 - poutcome: outcome of the previous marketing campaign (categorical: "failure", "nonexistent", "success")

14 - emp.var.rate: employment variation rate - quarterly indicator (numeric)

15 - cons.price.idx: consumer price index - monthly indicator (numeric)

16 - cons.conf.idx: consumer confidence index - monthly indicator (numeric)

17 - euribor3m: euribor 3 month rate - daily indicator (numeric)

18 - nr.employed: number of employees - quarterly indicator (numeric)

Output variable (desired target):

19 - y - has the client subscribed a term deposit? (binary: "yes", "no")